

## EAST Search History

S123	25190	S120 same heat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/04/06 14:44
S124	24	S123 S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/04/06 14:44
S125	3	("20020039310" "5933365" "20030161195").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/01 08:26
S126	5348700	heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:05
S127	80662	(phase adj change) chalcogen\$3 phase\$change	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:05
S128	7819	(first adj resistance) same (second adj resistance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S129	180951	ohm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:06
S130	3443949	resistor resistance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:06

## EAST Search History

S131	49	S126 S127 S128 S129 S130	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S132	2417	tasin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S133	716	ta?sin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S134	570	ta??sin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S135	281	ta??si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S136	378	ta?si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S137	129	ta?si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S138	135	ta??si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05

## EAST Search History

S139	1515	tantalum silic\$3 nitr\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	ADJ	ON	2007/10/01 09:05
S140	36	yttrium silic\$3 nitr\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	ADJ	ON	2007/10/01 09:05
S141	65	y??si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S142	645	y?sin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S143	305	y?si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S144	302	y?si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S145	290	y??si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05
S146	764	y??sin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:05

## EAST Search History

S147	5348700	heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:05
S148	3380	(S132 S133 S134 S135 S136 S137 S138 S139 S140 S141 S142 S143 S144 S145 S146) and S147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:09
S149	80626	(phase adj change) chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:06
S150	158	(S132 S133 S134 S135 S136 S137 S138) and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:06
S151	41630	(array or plurality) adj (memory adj (cells or device))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:06
S152	921280	transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:06
S153	30522	S152 S151	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:06
S154	11637	S152 S151 @pd<"20020101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:09

## EAST Search History

S155	15957	chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:06
S156	39	S152 S155 S151 @pd<"20020101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:06
S157	935121	S156 S155 S153 S154 S152	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:06
S158	140	S132 and S149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:10
S159	15	(US-20020058186-\$ or US-20020017701-\$ or US-20020074658-\$ or US-20020080647-\$).did. or (US-5712448-\$ or US-6388185-\$ or US-6288321-\$ or US-4849605-\$ or US-6443561-\$ or US-6473332-\$ or US-5761115-\$ or US-3846767-\$ or US-5858533-\$ or US-6087674-\$ or US-6314014-\$).did.	US-PGPUB; USPAT	AND	ON	2007/10/01 09:10
S160	180951	ohm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:10
S161	6	S159 S160	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:10
S162	3	S156 S160	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:10

## EAST Search History

S163	25689	S160 same heat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:10
S164	24	S163 S154	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/01 09:10
S165	210	S156 S159 S161 S164 S162 S158	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/01 09:10

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"2002039310".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 09:27
L2	2	"20020039310".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 09:28
L3	0	("5933365" "20030161195" "20020039310").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 09:28
L4	3	("5933365" "20030161195" "20020039310").pn.	US-PGPUB; USPAT	OR	ON	2007/10/02 10:07
L6	1699	(257/2 257/1 257/3 257/4 257/5 338/9 338/195 438/900).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/02 11:08
L7	2419	tasin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/02 10:06
L8	4813	tisin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/02 10:06
L9	281	ta??si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06
L10	379	ta??si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06

## EAST Search History

L11	129	ta??si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06
L12	135	ta??si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06
L13	1515	tantalum silic\$3 nitr\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	ADJ	ON	2007/10/02 10:06
L14	36	yttrium silic\$3 nitr\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	ADJ	ON	2007/10/02 10:06
L15	65	y??si??n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06
L16	302	y?si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06
L17	290	y??si?n	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06
L18	765	y??sin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:06



## EAST Search History

L19	9155	(L7 L8 L13 L14 L17 L16 L18 L15 L12 L10 L11 L9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/02 10:07
L20	1	4 19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:12
L21	662623	heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:37
L22	760275	resistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:12
L23	5349630	heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:13
L24	3	4 23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:13
L25	2	4 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB.	AND	ON	2007/10/02 10:13
L26	2	4 21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:13

## EAST Search History

L27	80710	(phase adj change) chalcogen\$3 phase\$change	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/02 10:37
L28	3599	22 23 27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:38
L29	406	22 23 27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/10/02 10:39
L30	145	22 23 27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	WITH	ON	2007/10/02 10:40
L31	32	22 23 chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	WITH	ON	2007/10/02 10:48
L32	102	22 23 chalcogen\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/10/02 10:50
L33	70	32 not 31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/10/02 10:51
L34	2	(heating element resistor (phase?change or (phase adj change)) parallel ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	SAME	ON	2007/10/02 10:52

## EAST Search History

L35	6	(heating element resistor (phase?change or (phase adj change)) parallel ).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	AND	ON	2007/10/02 10:53
L36	5022	(365/100 365/145 438/466 438/95 257/e27.004 257/246).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/10/02 11:08